







NEW DEPARTURE



Aviation Week Documber 12, 1969

extra heat protection

in limited space Aviation Soles & Service The Charles Sale Sales Section 40

> Indestr Charms Attation Calcular Neur Pens Revi Bigos Printing for Beckers ...



Where wiring space is limited and onfive report of employee-impregnation fidited-enhance framination plus pilitame.

Herdina News

New Aviation Products Person Scooks for Lorge Alexents 4 Air Treespoor Her Feir is PAA AGA New Best? All Rid America

William Krosser - Andread Rosselv Store - Rosselv L. O'Cloth. Andread Store Store Robert B. Fleix Bring Serge ... Transcripts Serge II Brings Robert McCorner Beganning Bergy Leles

Zenative and Educat Ofton: 10 Vest Gad St. New York 10, N. Y., Phone Learning AMMs National Proc. Educ. Variables on C. P. C., Phone National Hill Dennetic News Paramer Adjusts 5, Bioder-Econty Hilly Colonys 15, 225 N. Nashayan Ann, Christiand D. Hanna Kide., Davied Dr. Yoshiom Hilly; Lee Angales 16, 425 S. Haya Sty Sea Prantices 4, 45 Fee Sr., Ranton, 546 South St. Correspondents in south Sec. of Season (Sec.) Person Near Parson: London, Paris, Facilities, Tokon, Scotler, Mallonger Bis de lineare. Menne Cer. Correspondente la serge than 40 major exten-

G. Jelmann, Fluxiona Munique, R. W. Martin, Jr. John Novepue, Subm. Japanesserov. J. C. Andreen, New Yorks, N. J. Start, Path-Schildt, W. K. Dieser, Gardonf, L. J. J. Sait, Chinger, W. E. Bownell, St. Leniz, J. R. Alba, Ster. G. Schildt, R. C. Muzhier, Adhani, J. W. Okteron, San Frenceste, C. F. Michiganda, I. Applica, Other solar efficiency, Parish, Japania, Chem. Lenizo.



Amazing AiResearch device mathematically computes and helps you solve unusual problems in precise control of temperature...position... and pressure!

well possess wide upo l'estions in other industrial fields. Operators with electronic countries and sured, the AiRmenth regulator can be used to control temperalso be used for the exact posteriors of controlsenouge or otherwise. And it occasion unusual shifting in subday moddless of necessary during and suffers control. We swote supported on the sea to your field

shifting of Albertarch to design and manufacture Whose we your field-Aillestouch registernone in execus of 100,400 com-invite year toughout modificus touchdoor blab smoot wheels Specializad experience is also available in creat ing conspect turbines and rempressees actuators. with high speed reserve air, was and limit heat exchangers; air pressure, temperature and other

An insurer on your company letterband Albertach Manufacturer Commerc Los Asuntes 45, California,



WHO'S WHERE

Subcra Arthur his appointed William manager ... Ray A. Regge her been ap-pointed chief engineer at Lees, lost wages of the same When W Married pacin Housemed Regulator Co. Genera E. Comebell control ades monance

and H. T. Holomon, new measure and E. S. Collector, now managers of rates of the Waker Manates, formerly manager of the certics Administrative to highway transportidos specialist to the Office of Airways. guery is the Guided Missiles Laboratory.

Chades S. Chester has become the new

on Committee, regiscrar Col. Invest P. Admin, secondly sengred to sengre has pendire in South. Noticed Action has named Europe Lefter New York status P New York-LANSA Aufmor has elected Revo, jelo Conelio, Jar Fernandes and hen Cours, Penidort of the cover. Servicedo Public, has nargeod. No me-P Spirmed Message Manufacturing Co.'s

general sales marrager B C McNell has per served. He is artificed by L I Hamilton. Dile Assetting, honory public relation Elections and Hances

Lee Chapes has been elected souther Phillips, 3c., President of Aircogn Eag-D. C. Sneet of Tende American Society of Manhanol Enga

biline development radio renditions of pa VSME, a ten program sound quantum

INDUSTRY ORSERVER First recorded astrobag of USAF Republic F-94 set fightous has been

First recentled concerning or CALF perpension of the Concerning on Average of Physics Caleforn, Ltd., winning on Average of Physics Colorador, Ltd., winning on Average of the Caleforn and Fight Relating is she conducting further spineling assessed with 2-23s

cupo. One derges versus mond use conventural Rails Royce stupaus, are mounted supply the enlarged facility in months, larger duclars

➤ Situativ Associa's new H-15 beliegers now in production for the USAF the general trend in the helicopter codestry were from two-placers except by believeter trainers. BUS can be undiffed to corry two letters with

savadore 57 milian on the dowlooment of the firlder, the lowest effect ment magned to any single peterch, and a filed at the total \$21 multion. Super Novice and is warter for the first and action Lycomics CO-655-C2 presed regime (160 bp. at talerall) to begin crelification tests. Frototype

have closeland by trusters for the Turker Circ. which held extending interest in the cause comoton. Since Tucker's fluxueral difficulties, and the cooling off of the hightplace market, Franklin ascends engines have not her maning an of the against market, Francis ascent engine have not been in productive covery for the 65/5-178-333 belonyte; engine marketed to anoth countries to Boll, Schooler, and United Helematers

► A new us colinder Frenklin engine with around 790 talenfl benegower sures. Model 64G4395-RI3, was developed a year ups but held out of Scales muchibian and new hours (Sted with a substitute over constall to send in 250 to 275 by with sobtively slow peopeller speed

 Use of epatro-rototina amostler uniture in audiana powerskant sass. of babalance between Mades which cannot ender differ their hour base. ➤ A. Michaggel coefformsh is being installed in a Leekhood F.All for the

USAF at Carten-Wright Corp., Columbus diverses, to proved statums and studes in different parts of the place's streeture for the new USAF Sirbt had bed convers. Shaller instanged then is absent for a Develor

The ensure number of firsts, borne completed on achoosis.

· Sperry har been and it contributing to all-weather finanthe and right when Prope weather is at the water, to made, needed

PERSONAL PROPERTY AND ADDRESS OF THE PARTY.



Building raditionen, Warlangton, D. C. et. 33-les. T. 1998-- Winter Warg

AVIATION CALENDAR

See. 16.15. Above Heron. Art Court for printe planes, conducted by Planck As-WE'RE KNOWN BY THE



NEWS DIGEST

Weste Accountical Corp and two services, subject to missions by mare merahardan Drawards had rese Ware, Nev 200 New contract

Horber Teel Co. was expensed of herets diamong means of reterral our one other officer of the commen stleet an Air Favor Academy con-Recommendation must be in the board san report to Congress to the D: Gos Habert R Harmen and Max A CAA committee has recommended

PAA charter promunical with Pulsa Charles A. Lindbergh to recognit of by the Weights Procession will be Cleil Asymptotics Administration inc. surposed the Dehmel Carrie, Wrede fight nimulator for see in giving Dan

Easter E. Wilson charges of the beerd of the National Accounting

MATION WITH Security 12 1848

Itsle is speading about \$5.4 million held in preyons your in Chickons Nicote-Niges next racing will shooses ment of Capadichane Field, near Noirs, sed Company Field, nor a transcentinestal as men open to all

technical facilities at the new Art Ennew West, New 21). Temporary hondquarters will be in the Older of

amounted to 754 alones valued at \$1.6 ft miles. Military safetime weeks dueh or 77 percent Military arments i goe figure was up 26 percent ever Assent's 1,731,560 ho. CAB has revised corollected corners tudio wil he at its week. The Broad Face Bay, Comp Springs, Md., be-

> Genett Com, and its division, inclading AlEctorch Measurement Co.

bes in moothchaing orden 1 C mount were operating at a profit, board

FOREIGN Billio Minker of Sandy assessed the de Hardand Gobbe 2 spring for



accordance with RMY-NAVY STANDARD

Iron-Constanton AN-W-Be Specification TYPE II

4 short per 180 feet Cless A. Gerere WI-26001 (Revere W1.3601) TYPE III A (Exerce Wi-MGZ)

Chromel-Alumel AN-W-29o Specification TYPE I

A Steen Per 23 test Renew WC 2606 Berns WC-3607 TYPE II 7 shows year 50 feet Rovers WC-2608

(Reven WC 2609) TYPE III 7 ohers per 100 fear A (Service WC 261 Service WC 201

on funded with a charac management





Druche C-1244

Chise C 122

Northrap C-125



1950 Ale Force Plane Programment

to 15 C-97s, Funchild from 69 to 53 C-11% and the light annult transport and Northern Assemble last were some cating is electioned.

Finish Steamorto also took a cut with both the Northeap turn but 1:50 CM to 27) and the Lock ng shakes USAF is concentrating an value to a might fighter trainer after it North Amount is exting all the day

propers. Although USAF is all listing F66 The F93 features a possible need ►Two Bouless-Bouler promotes Carta E. LeMan-the Correir R-14Th

at 75 phoes to both programs. The hear used by both the USAF and



and early received.

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If You Have a Tough

second 45 men converse. With solver rate that

DIMOVABLE CONTACTS

Samic and (right) sources counce for beach

41-R South Sixth Street Namer's 7, New Jersey

* Number of places out from total 520 (\$300,000,000). Percenture of Planes USAF to Buy in 1950

Budget cuts limit programment to 815 sinceaft at cost of \$1.1 billion, although more money year he available. USAF has settled on a menument ar-1950 of \$1.1 billion, beset on the boun-Planer Shrink-The St. 1 hillers of the PSAT minimum food 1955 would

in Orthor The cate 5506 refers Size of the first out decumbed by First indications were that another

under the \$1.6 belon pragram. An additional 676 planes were consulted for the cuts \$500 million voted by of the reversions, the Olfer of the story to \$200 online. The following

ANNATION WHEE German 12, 1949

CAB Okays Coast-to-Coast Coach

American and TS'A begin transcontinental flichts this month with DC-4s; American can use DC-6s in April. Accountry Board opened the reflect mile solve like took New York to Build, will large Newerk at 930 p.m. documentic long houl stante to exheduled. Les Anades is \$157 townships enoughous at 44-centre PUAL Cets Set-With Northwest American Asthern and TWA were

to uplice its DC-4s with 70-passenger - wigon by properties a reduced rate of 5

DE-A couch sensor between New York state are at Law Leading See Treatment

markfring there of the 12 manufact connection of Northwest between Chr. make one improminental rounding Policy Departures—The latest TWA



SWEDISH JET NOW IN PRODUCTION

Sandou's Soid. 25 Improves set Solder: preference are positived with Districtfully (AVIATION WIEE, 20) 12, 1940 is de Hesikad Ghed pt separa of 9000 in one in quantity posturious, after make: state flater, production models will have none 13 months of first teams. The region of the same true manufactured remarked interactor a approved with an under homes in Sweden. Such classes the circles and at Sah's over desgn. There cost has marked as doing Mach number

. No buildings on departure and in metaretil sevice, bosser, they so

a Daniffine was extracted for much to: do from here 16, 2950 to Then 11 to obtain exceptance with its barb density DC to. CAS industed it would for other reach constant whelly or puttle competiting with business areas

The Board recognized these is disare that a DC 5 couch operation rate terf until No. 1 to pernet the corner to senior at DC to with large easier

sunn DC4 measure (Capture New

Raker's Views

G. T. Belev, president of National Ardings, but work stoogle columnia At our time, the currier had a factor not possible up to company 10 person-

The cebbs is inconvergenced when it on serling to DC-1 emissions in all such as DC/6s can be appropriated for your U. S. Steps Into

wet Road to opysic Colonal Arhaei

man of the Maltery Remestirfan

are Lee Penato weets CAR members at this time of DC 5 Startegulary or

ASSISTANT SECNAVAIR tota F. Fisher, James weture Nov. Study Made of

Aincraft Labor was named undercounter. Disburg, a se-The Canadana 'thew cause" order

neste and at Edwardson, Alberta Colombi drawnol 21 moneyte rights wi the New York Manageral waste mere be-Canada-Colonial Fight use taken owner from it reflects then Lot neath, the spend U.S. court

West Coast Visit

Fundamentals of Statutory Reacgo, sales boses of recovery plans

tonon," will be followed by a forest Granul industry receive follows a Scheduled visits include Constant at Sin Diero. Dec. 1. Nueskam and State Maraca, Dec. 7 and 5 Teurng group includes Barron Group county VRPRE Samor Marga

The reside sizeoft mechanic gets a court in Winkenton tolling CAS to Oals our plant revered employed less

until the Saugere Court had coled on second olers wells 140 fill evenione Most wages prepared between \$1.90 Other Conditions—Other results of

Pad vacations-All give a paid care allerance. Dee Lat the State Building may the entire out. Incompos-All plants have one or

AWAZDON WITH Dovumber 12 1989

Constitution Use Pages Problems

By Alexander McSarch

June 25, 19951 P.S. Months Minimuma CAS company triespech would be open to less to makeds. Personally the planes are become appared by the Nav and way one

estmate that cuttingtion of the lar commercial operation. While recomme evenings or conspiction care see and bely Military for Victorian Service Reports that neither MATS per the totical have not been officially commanufacted to the Name Learner the observe at Litchfield. And to the ed CAR 57 max manuscrip landus speed requirement, but later Man despit on each type presenger appears a full confection names. transport. One presented our transfer Act's New York Punts Rico no. where ► 14,000 Hp .- The first New stree doshifty, if our of the other loss get-P Certification Problem-II New against with few Posts & Whether Wasp Mr.

Is addition at a equipped with six BATO meets mutuiled as the weage, of 6000 thrust the far 15 sec and cold ceffere in its tolerafts on the taxascowhen problem of lagsitus in the Presho nacetal was but whether they would sweet change in more at apopher explaints the successful broom would have to solve. No other com-

conditional contracts for the bir obese. Vicercon, and its size in table is 90 ft.

* Europ Commo-Guest trappet

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nervers. Mosener under a bish deserby Main drophick of the plane from an much swifer goes weight with the time for Wan Moor newvokets as ► Perference Report - Furferran data quantal for the Countitation with en would poserpliet include 250 med stalker spend 904 web ton spend

even colour of 75 600 ft control report of 5390 ms and measures mage of In the terrorretioned field runs, ally cused at slightly over 700 mph at about 79,000 it with bette sal as P.Trebe-Penn Version-Leebberd us.

moh with a top coned award 400 noth loss of the \$500 km Allman nerturney when the addressal certific

REPORT FEATURES in Subsector desire are shown in 1829. Cheeded door for earlier according, have order below 6004 ded-

Like two other competition in the

Sikorsky's Double-Deck Helicopter Now H-19, entrunt in USAF rescue competition, has

large cargo or passenger compartment below cocknit. Schools's vertex on the USAF are made for only these latters or those nor BLO was disclosed but need to a hors. P.Moor Engage. The letter cubic was dayed officers out secretion the

in it only 2 ft, 4 in interior saight of anyweightely 2000 ft, and

a relitary racial load of assessmental wide and 18 It bear to fire the Salar

sed one attendent, or 13 personnen fit so 500 hp campe in the around if

Badar Net Funds Allotted by USAF

USAF, at the expense of cracelling or relicing other USAF projects in skill amount, in the fixed 1930 peopram e neight in our characted down not may than \$50 million was nothing \$31.2 million of the feet year's total Personne which made to first sed

entry occur cooler with rights an Finer Bust-Drugsed specifically D. Ger. E. C. Whoriest, conwarmi in the cost of mentalming picket

Pen Am Cancelled-Five maritis be-

the \$50 miles for the network had development funds





Canada Testing Tailless Glider Flight characteristics of all-wine configuration being evaluated by using heavily instrumented craft.

The Canadam recomment is non- to such year to "Elevera", smallings make a second on technologist on the olivier * Heavily Instrumented - The abder our The ground handling and from thin sentery. We is established that molded sirvood, and conventional rule

ramone from 2000 to 1150 ft

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Novy Cutback Hits Attack Planes

New recently reduced its combet air budget outs and beddeton classess New will decrementable 470 and of a total charges of 2255 combet a total six strength of about 7000 wherebodest Delene Streetery Loon John

Most 377s Completed

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In the appendix, desided debute-ments for Md Contract, Chause &

Principle the 1949 Addressings, no

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this may during 1949, the same as for

Airline Dividends Seen Increasing While only small lines paying on common this year, better earnings point to wider distribution in 1950.

Arthres in paying a second 25 continue year points up the outous circumstrace me 1949 heavy confined to a lear of the really willing continue to a few or the not of the accorday graceing of dovalley at service even and named. Dath a near arms in the displayd are Natcheless, in view of the show ber of select appears blab.

Consistent Excesspr-A marriage mail methods more mail. has above an expended record of excession > Eastern's Position—In many circle 1942 without interruption. While the current in highly dependent upon soil inclined to make a "token" dishere-ncy to maintain exclusive resortions, must the year. While critica of this

The recent reton of Mid-Continent

Fit example, charges 1942, 64-2 perwas down to 17.5 nescent. The coun-

* Other DiePenha-Earler the una 126 outled share extending The certify but and a dividead in \$765

ANIATION WIEK, Berneber ES, 1949

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acceptants was time to improve me pray is the industry. A dividend of Marchant Adams with its 200 per

being schooled to its reduction. It is known that one of Panadest Ralah CHENTEL CONDESCRIPTION been recovery rather merkedly during

SALES & SERVICE



EXHAUST SILENCER under fundage of Chesica Stopeny, Brotch separa higherinan

British Bid in Lightplane Market New "family-size" craft noward by 155-hp, enrine is priced at about \$5600 and aimed at expect field

A 155'le Cheeler Skylery, designed tracycle grav, at that had been desired M. Engine Charge-Strate was stock First Plate-The Street was fast structure, prior to flight her in Navers

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our maid have been used also with the confirm healed 118 of receive cells moved not introfers in the matter

ft 5 m; empty weight, including ► Madification—Other medifications

BRIEFING FOR DEALERS AND DISTRIBUTORS

MADMA OFFICERS-G. B. Vio. Disca, prendent of Van Doors Au custs Supplier, Inc., Minnespole, were elected semident of the Acution De-John D. Haum Predic Assessive Corp., Burbook. Frederick H. Lee Jr., R. M. Hallaurhend. Corp., Caraden, N. 1.

PERCHASIT RESIGN OUNTER-

3. Marry, former nature employs, or



Person and Oil Person Induction System a Factor Inducate rene.

AND COMPANY

ECLIPSE-PIONEER



Racing Man's Imagination to the Moon





making faster spends and greater brights attainable. Reach the moon . . . reach other planets? It may



AVIONICS

What Does Rain Do To Radar?

Theoretical calculations in problem of interference are supported by scattered test data. Noise level a factor.

By Bobert McLorees. and he the study the 1 liber was langth tests were made over a distance of 1260 ft. she i Zon, tests over a path of 200 B condensation as a heardest characterof a CW reacutor feedbar up electrocaspedic born radiator received 42 R Hawever, the characterate is wholly

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AVIATION WEEK Browner 12, 1949

Electronic Laborators, Sua Diene

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now design and other morbil name a Destrop steed reserves with two fac-* Kengle-The accomposing study other and of the 1268 H. puth, supplied per rule aggingt militanters of minful The 1-lent expressed atfleod a it. Since variet from about 0.50 at low numbers referry themes so encared much higher attraction than that north, however, at convaringte intervals. These early tests endorsted that atthe rate of approximately 0.05 db /mi / person in appearantly our about entered encouraged industry that well-The 1 80cm sired any attempted at the rate of approximately 0.1 db / FCAN Method. A different convene we trken by the Coul Agronatics Adcrantistas et et logazapole mace

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They Use PACIFIC-WESTERN GEAR ENGINEERING



GEAR ENGINEERING What is the minimum weight for the autout and Afe required? What type of peging, pyticles, clutches, etc. will give the exact characteristics required of an outerbly? These are

the kinds of overlines that Postic, Western near evolutions work with daily. Their experience is at your service. THEN GEAR CUTTING Where can the type of gear be out? Who can present a factly like thir? How one a shope like that he mornious? The

the Pocific-Western plants, where every known type of geor is produced-where design is not restricted by limited facilities. CATALOGS AVAILABLE

support of 2000 mo. Both upon required for both users having identical patterns. onency bond. (Faur moditors showing The CAA combined on the basis of

motions of a Execut departy to be veskie as the 1300ms rater scape will versed on the 1000mc scope. It was termely small, sandall at very heavy, or the barret is either form in beior Detection-Ability to detect law as

AVAITON WEEK, December 13, 1915

Redesign with TRUARC cuts unit cost 42¢ saves 71/2 minutes assembly time









Relation with Towns Stem and you lot will speci Wherever you use machined shoulders, rais,

find out what Truers Regulate do for you. Scot your bluewink to Wolder Tream engineers

WALDES

WALDES KOMMOON, INC., LONG ISLAND CITY I, NEW YORK

22 WALDES TRUARC RINGS GIVE * Wileck spece seving permits memoy-seving * 42r everall unit cost sevine. *Realess toneless with simula excepted

* Second projectorers havened Trans Bloom ere carr to assemble and disassemble ... can be used over sed over again.

Dog Spra

of nour nover it. L35 x 10 " resits: APS-L5 (authoras search), 15, AN-APG-5 (turnet ranging), 13, 8CR-713 resette in degree Kelvin and M. band-wath in on? Valve P. in the smooth peec in the eighet with no other cored signal falls to the center of source of more record. Value E in these calculations 799 as other records from Therefore, it is not a continu of whether over or should failly extensive



One solution to the problem has inwhich, in this, it a measure of the

EXCRESSOR

I Biration, J. A., Effect of Ends and
Foll in the Propagation of Vary Short
State Water, Print LILE, July, 1921

E West Prints and Limber 20, 0 Tritominima of Localizator Shortmagnation 2 Andrews, Linet 2 Inc. John P. Physics, Chapter E. 164 Easter, Albud P. D. Mannacolm of Line London State State of the Conference State State of the Present Line Present Line Present Line (1988).

Position Indicators Announced by G E Two powtroe, de selve instru

Desirned to latest Air Force and

AERONAUTICAL ENGINEERING

How Chromium Plate Affects Fatigue Limit Studies at NRS yield information on steels used in sirturns between \$0 and 700 C. to wronger they mechanical reporties be provided

ceaft. Factors of plate thickness, heating evaluated. New data on the effect of chemician senterials often are hented to temperathe recognises, sponound by fatigue hant of electrous plated steel

of the stools. For natural of a given rig bids. Whole plote thickness appeared to plating very equal to or greater than

*Not determined And the court of the court of The second secon

Composition of Steels Used in Studying Influence of Chromium Plating on Fatigue Limits More Neld

mean. Means a systematic study may subspace future limits of exercisors. olsted but not heated, and of ener-

hoting temperature (Fig. 2). Fatigue lends of specimens bested for I hour

*Effect of Hesting-Chromosophiled Fig. 1 Relation between endorsers facilitied plan (SAE X430 and 6310 annia.

to extending the excelentment of local

course for the advene effect of chet-However, it was shown that there Further expressional evidence indicated that cracks persons up the above.

Takes "Tonessed"-To show the name

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PROGRAMMATAL SERVICE NAME AND ADDRESS OF TAXABLE PARTY ASSESSMENT Tours not of pating their and best, when and 2 to long, with one real left at but not here built were found to

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Continental Motors **Fornoration** FSton Action-From these observe-

If the chemican olated steel is beated choosium produce sufficient tensio

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AVSATION WEEK, Recorder 13, 1949





SINCLE ENGINE PERSORMANCE Service College, Was Continuous Press, Francis II. Ste Halle & Halle &

80 - 80 - V - 200 min

Even if one engine because inspeculive, the Soundia's stability and manneyes. hills remain entransport to fact wate it he a class by itself. All oilete who have flavor the Scoodin are ementagons in project of its resourceable füght eberecteristics.



SVENSKA AEROPIAN AKTIEROLAGET - SAAR AIRCRAFT COMPANY - SWEDEN

Liftmaster Has Self-Contained Freight Lift



Elevator attaches to front or year door. Copacity is two tone.

matriy trushbed height to color flace

hading engeners a not evaluable. * Elevator Operation-Vertical compothe left is tanofied by an amplify an corner coupled to a greatester to the bettom of the guide risk rad

Profestor Model - Automatically conditioners series sell accept high 9.17 review steel at 1900 takend

Takeof, at full man weight of (60,000 to will be within 9092 ft at

un level. Londing field length at \$5,000 It is \$270 ft Absolute trace with 1770) and of feed in Adria was Cargo volume is 5000 to 11 and the rock will never 25,500 th, period over

KHATION WEIK Bromber 12, 1949



operation on water, skip for snow areas, and disable wheat in towns, storage or concesting the plane. An agrical jackof all-trades, the L-13 is used for observation, communicaevacuation, photographic and rescue operations. Ultra-brief take off and landing runs add importantly to its value from

CONVAIR'





MASTER SKI PUILDERS SINCE 1915 Comin and FEDERAL SKIS and Secreta Appelias Range of Operation Sources Wheier Commissions Educated Training Antonia Contra Santian Oleston

FEDERAL presents the only correlate line of citie continue

Standard morate for province. Current buffs morate for Plantage and others Condensation Wheel-Side
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m butt hard geer merkels for Fellingen, franklig, Fisite engage Lebens, Sant Necessitis Wage and others ARCIAIL & PRICARI





Caltech Tunnel Exceeds Mach 10 New facility will advance rocket and guided missile

research. Believed to be world's fastest tunnel.

greater them 10 bases that of assed at cytomer speed transite The test lacening of the new facility Gildona Institute of Technology is 4 ft long it includes a senior of under contract with the Acres Ordonnon acceleration developmen from the Depend by Collectin Dr. Alico E. test section where the models ago mounted, and feetly a deliver area of our other kersen becell Previous Got, the air peace through an adjust of second, and that was as an enterpart - desirence stool after needs. Suc of the footed of runs sources thanken a few personnel data on shock waves, besselt slid, experienced by the im write. As

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